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*Indian Standard*

# EQUIPMENT FOR CROP PROTECTION — SPRAYERS — CONNECTION THREADING

ICS 65.060.40

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**BUREAU OF INDIAN STANDARDS**
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NEW DELHI 110002

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Farm Implements and Machinery Sectional Committee, FAD 21

NATIONAL FOREWORD

This Indian Standard which is identical with ISO 4102 : 1984 'Equipment for crop protection — Sprayers — Connection threading' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendation of the Farm Implements and Machinery Sectional Committee and approval of the Food and Agriculture Division Council.

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

a) Wherever the words 'International Standard' appear referring to this standard, they should be read as 'Indian Standard'.

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In reporting the results of a test or analysis made in accordance with this standard, if the final value, observed or calculated, is to be rounded off, it shall be done in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'.

*Indian Standard*

# EQUIPMENT FOR CROP PROTECTION — SPRAYERS — CONNECTION THREADING

## 1 Scope and field of application

This International Standard lays down the essential dimensions of connection threading for sprayers for crop protection to cover existing and foreseeable needs.

This International Standard is applicable to spray tips, nozzles, pressure regulators and nuts of sprayers.

## 2 References

ISO 228/1, *Pipe threads where pressure-tight joints are not made on the threads — Part 1: Designation, dimensions and tolerances.*

ISO 261, *ISO general purpose metric screw threads — General plan.*

## 3 Dimensions of the threads

### 3.1 Metric thread

| Metric thread ISO 261 | | Application |
|---|---|---|
| Nominal diameter | Pitch mm | |
| M12 | 1,5 | Spray tips, nozzles, pressure regulators and nuts |
| M18 | 1,5 | |
| M27 | 2,0 | |

NOTE — The metric threading will be adopted for preference.

### 3.2 Gas list thread

| Gas list thread ISO 228/1 | | | | Application |
|---|---|---|---|---|
| Nominal in | Number of threads per inch | Pitch mm | External diameter, *d* mm | |
| 1/4 | 19 | 1,337 | 13,157 | Spray tips, nozzles, pressure regulators and nuts |
| 3/8 | 19 | 1,337 | 16,662 | |
| 3/4 | 14 | 1,814 | 26,441 | |

NOTE — The gas list threading is more suited to plastics equipment.

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**Amendments Issued Since Publication**

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